

# EAST Search History (15 pp.) *gfk*

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	6	"772842".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/12 07:39
S2	5	"792094".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/12 09:32
S3	1	(US-20040155580-\$).did.	US-PGPUB	OR	OFF	2005/09/12 10:53
S4	1	S3 and uneven	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/12 10:55
S5	1	S3 and shielding	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/12 10:56
S6	0	S3 and light-emission near4 related near4 hologram	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 10:57
S7	0	S3 and light-emission near4 related	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 10:57
S8	0	S3 and light-emission near4 hologram	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 10:57
S9	1	S3 and light adj emission near4 hologram	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 11:02
S10	0	S3 and reflect\$3 near10 combin\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 12:17

## EAST Search History

S11	974877	"2" and peripheral	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 12:18
S12	6	"772842".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/12 12:18
S13	3	S12 and peripheral	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 14:19
S14	11634	"L2" and wavelength	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 14:19
S15	6	"772842".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/12 14:19
S16	3	S15 and wavelength	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 14:25
S17	0	S15 and wavelength near6 wavelength	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 14:26
S18	0	S15 and wavelength near10 wavelength	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 14:26
S19	1	S15 and wavelength near10 width	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 14:45
S20	1	S15 and hologram near6 peripheral	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 14:50

## EAST Search History

S21	1	S15 and hologram near6 return\$3 near6 reflect\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 14:53
S22	1	S15 and brightness near6 interference near6 illumination	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 14:53
S23	1	S15 and brightness near6 interference near6 illuminat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 14:54
S24	1	S15 and brightness near6 interference	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 14:57
S25	0	S15 and "more than one" near6 interference near6 pattern	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 14:58
S26	1	S15 and interference near6 "patterns"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 15:01
S27	1	S15 and "interference fringes"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 15:04
S28	1	S15 and select\$3 near6 (emit\$4 emission) near6 pattern	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 15:09
S29	0	S15 and predetrmined near6 hologram near6 image near6 display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 15:10
S30	0	S15 and predetermined near6 hologram near6 image near6 display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 15:10

## EAST Search History

S31	0	S15 and predetermined near6 hologram near6 display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 15:10
S32	1	S15 and predetermined near6 holographic near6 image near6 display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 15:25
S33	5	"787123".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 15:26
S34	6	"772842".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 09:06
S35	4	(laser adj diode semiconductor adj laser) and (hologram holographic) and (surface adj light adj emitting vCSEL) and shield\$3 and transparen\$2 near3 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 10:38
S36	2	(laser adj diode semiconductor adj laser) and (hologram holographic). clm. and (surface adj light adj emitting vCSEL) and shield\$3.clm. and transparen\$2 near3 electrode. clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 09:33
S37	7	"175172".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 09:36
S38	2	("6787713").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 09:38
S39	2	("6713787").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 09:38

## EAST Search History

S40	9	(laser adj diode semiconductor adj laser) and (hologram holographic) and (surface adj light adj emitting vCSEL) and (block\$3 shield\$3 black adj matrix) and transparen\$2 near3 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 10:48
S41	290	(laser adj diode semiconductor adj laser) and (hologram holographic) and (block\$3 shield\$3 black adj matrix) and transparen\$2 near3 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 10:48
S42	3	(laser adj diode semiconductor adj laser).ti,ab,clm. and (hologram holographic).ti,ab,clm. and (block\$3 shield\$3 black adj matrix) and transparen\$2 near3 electrode.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 10:50
S43	1	(laser adj diode semiconductor adj laser).ti,ab,clm. and (hologram holographic).ti,ab,clm. and (block\$3 shield\$3 black adj matrix).ti,ab,clm. and transparen\$2 near3 electrode.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 10:51
S44	1	(laser adj diode semiconductor adj laser).ti,ab,clm. and (hologram holographic).ti,ab,clm. and (block\$3 shield\$3 black adj matrix).ti,ab,clm. and transparen\$2 near3 electrode.ti,ab,clm. and (hologram holographic) and (shield\$3 block\$3 black adj matrix)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 10:53
S45	1	(laser adj diode semiconductor adj laser).ti,ab,clm. and (hologram holographic).ti,ab,clm. and (block\$3 shield\$3 black adj matrix).ti,ab,clm. and transparen\$2 near3 electrode.ti,ab,clm. and (hologram holographic) and (shield\$3 block\$3 black adj matrix) and laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 10:56

## EAST Search History

S47	0	(semiconductor silicon).ti,ab,clm. and laser.ti,ab,clm. and (hologram holographic).ti,ab,clm. and (block\$3 shield\$3 black adj matrix).ti,ab,clm. and transparen\$2 near3 electrode.ti, ab,clm. and (hologram holographic) and (shield\$3 block\$3 black adj matrix) and laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 11:01
S48	1	372/43.01.ccls. and 359/27.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 11:05
S49	1	372/4\$5.ccls. and 359/27.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 11:05
S50	1	372/4\$6.ccls. and 359/27.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 11:06
S51	79	(EL electroluminescen\$2 laser light adj emitting) and (hologram holographic) and transparent near4 (cathode anode) and (shield\$3 pattern\$3 screen\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 11:24
S52	1	"20020057872".PN.	US-PGPUB	OR	OFF	2005/10/24 11:23
S53	40	((("3748480") or ("4602847") or ("4730327") or ("4805183") or ("4919507") or ("5043991") or ("5193130") or ("5220573") or ("5226053") or ("5265111") or ("5703899") or ("5838854") or ("6018421") or ("6307827") or ("6363093") or ("6411640") or ("6507595") or ("6661034") or ("6720585") or ("6850366"))).PN. or ((2002/0057872) or (2002/0172247) or (2003/0103543)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 11:26

## EAST Search History

S54	20	((("3748480") or ("4602847") or ("4730327") or ("4805183") or ("4919507") or ("5043991") or ("5193130") or ("5220573") or ("5226053") or ("5265111") or ("5703899") or ("5838854") or ("6018421") or ("6307827") or ("6363093") or ("6411640") or ("6507595") or ("6661034") or ("6720585") or ("6850366"))).PN. or ((2002/0057872) or (2002/0172247) or (2003/0103543)).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/10/24 11:30
S55	2	S54 and (shield\$3 block\$3 pattern\$3) and (hologram holograph holographic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 11:47
S56	7	"175172".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 13:16
S58	80	(shielding shield light adj blocking) near6 (holographic hologram) and (electroluminescen\$2 EL laser light adj emitting) and (shielding light adj blocking) and (electroluminescen\$2 EL laser light adj emitting)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 13:56
S59	118	(shielding shield light adj blocking) near6 (holographic hologram) and (electroluminescen\$2 EL laser light adj emitting) and (shielding shield light adj blocking) and (electroluminescen\$2 EL laser light adj emitting)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 13:41
S60	6	((("5,679,964") or ("5,745,265") or ("5,568,499") or ("5,663,944") or ("5,659,420") or ("5,629,782"))).PN.	US-PGPUB; USPAT	OR	OFF	2005/10/24 14:21
S61	2	jp-07033928\$-\$\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 14:02
S62	0	ep-07033928\$-\$\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 14:02

## EAST Search History

S63	0	ep-0733928\$-\$\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 14:02
S64	2	ep-733928\$-\$\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 14:02
S65	0	GB-685286\$-\$\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 14:37
S66	57	hologram adj device.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 15:06
S67	3	hologram adj device near4 diffraction adj (lattice pattern shield\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 15:07
S68	4	hologram adj device near4 diffraction adj (lattice pattern shield\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:18
S69	315	hologram near4 diffraction adj (lattice pattern shield\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:18
S70	69	hologram near4 diffraction adj (lattice pattern shield\$3) and integrated	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:20
S71	40	hologram near4 diffraction adj (lattice pattern shield\$3) and integrated	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:23
S72	2	hologram near4 diffraction adj (lattice pattern shield\$3) and integrated and shield\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:26



## EAST Search History

S73	34	hologram near4 transparent near4 opaque	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:50
S74	339	(surface adj emitting vcsel) and (hologram holographic) and @ad<"20000101"	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:51
S75	61	(surface adj emitting vcsel) and (hologram holographic) and @ad<"20000101" and "372"/\$7. ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:52
S76	19	vcsel.ti,ab,clm. and transparent near3 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 16:27
S77	33	vcsel.ti,ab,clm. and transparent near3 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:28
S78	7	vcsel.ti,ab,clm. and transparent near3 electrode and hologra\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:29
S79	20	vcsel.ti,ab,clm. and optical adj emitter.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:32
S80	0	vcsel.ti,ab,clm. and optical adj emitter.ti,ab,clm. and transparent near2 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:32
S81	0	vcsel.ti,ab,clm. and optical adj emitter and transparent near2 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:32
S82	1	(vertical adj cavity adj surface adj emitting adj laser vcsel).ti,ab,clm. and optical adj emitter and transparent near4 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:33

## EAST Search History

S83	2	(vertical adj cavity adj surface adj emitting adj laser vcsel) and optical adj emitter and transparent near4 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:34
S84	158	(vertical adj cavity adj surface adj emitting adj laser vcsel) and transparent near4 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:35
S85	30	(vertical adj cavity adj surface adj emitting adj laser vcsel) and transparent near4 electrode and hologra\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:56
S86	0	"5563710".ap. and hologra\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:58
S87	0	"5563710".ap. and vcsel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:58
S88	0	"5563710".ap. and vcsel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:58
S89	1	"5563710".pn. and vcsel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:59
S90	1	"5563710".pn. and vcsel\$1 and hologra\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:59

## EAST Search History

S91	24	(US-20040155580-\$ or US-20020158263-\$ or US-20050128543-\$).did. or (US-6713787-\$ or US-6429461-\$ or US-6257491-\$ or US-6059188-\$ or US-6307827-\$ or US-5838854-\$ or US-5930219-\$ or US-5907312-\$ or US-5745265-\$ or US-5679964-\$ or US-5663944-\$ or US-5659420-\$ or US-5629782-\$ or US-5568499-\$ or US-6031856-\$ or US-5856048-\$).did. or (EP-733928-\$).did. or (JP-2003085807-\$ or JP-11238947-\$).did. or (JP-2000231995-\$ or EP-733928-\$).did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/24 17:00
S92	4	S91 and hologra\$4 and vcsel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 17:01
S93	5	S91 and vcsel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 17:01
S94	448	vcsel.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 07:27
S95	338	vcsel.ti.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 07:29
S96	1002	vertical adj cavity adj surface adj emitting adj laser.ti.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 07:31
S97	227	vertical adj cavity adj surface adj emitting adj laser.ti.	USPAT	OR	ON	2005/10/25 08:50
S98	357	(vertical adj cavity adj surface adj emitting adj laser vcsel).ti.	USPAT	OR	ON	2005/10/25 08:51
S99	3	(vertical adj cavity adj surface adj emitting adj laser vcsel).ti. and transparent near3 electrode and transparent near3 substrate	USPAT	OR	ON	2005/10/25 09:20
S100	1	"5563710".pn. and electrode	USPAT	OR	ON	2005/10/25 09:18

## EAST Search History

S10 1	3	(vertical adj cavity adj surface adj emitting adj laser vcsel).ti. and transparent near4 electrode and transparent near4 substrate	USPAT	OR	ON	2005/10/25 09:21
S10 2	3	(vertical adj cavity adj surface adj emitting adj laser vcsel).ti. and transparent near6 electrode and transparent near6 substrate	USPAT	OR	ON	2005/10/25 11:27
S10 3	3903	((257/79) or (372/43.01) or (372/50.11) or (372/50.124) or (359/15)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/25 11:28
S10 4	86	S103 and (surface near2 (emission emitting)) and (hologram holographic) and (laser coherent coherence)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 11:30
S10 5	422	monolithic and (hologram holographic) and lens and (light adj emitting light-emitting)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 12:39
S10 6	2	("5638469").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 12:39
S10 7	0	("hologramnear4electrodeand(lase rlight-emittinglightadjemitting)"). PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 13:02
S10 8	99	hologram near4 electrode and (laser light-emitting light adj emitting)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 13:07
S10 9	4	hologram near4 electrode and (laser light-emitting light adj emitting) and monolithic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 13:18
S11 0	4	hologram near4 electrode and (laser light-emitting light adj emitting) and monolithic and electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 13:21

## EAST Search History

S11 1	4	hologram near4 electrode and (laser light-emitting light adj emitting) and monolithic and electrode and hologram	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 13:49
S11 2	8	monolithic and ESCH and (light-emitting laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 13:46
S11 3	3	ESCH near20 (light-emitting laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 13:46
S11 4	6	switchable near10 hologram near10 electrode and (light-emitting laser) near10 hologram	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 13:53
S11 5	48	switchable adj volume adj hologram	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 13:53
S11 6	0	switchable adj volume adj hologram and monolithic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 13:53
S11 7	46	switchable adj volume adj hologram and (light adj emitting light-emitting laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 13:54
S11 8	18	switchable adj volume adj hologram and (light adj emitting light-emitting laser) and integrated	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 16:51
S11 9	0	("775514.ap.").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 13:58
S12 0	5	"775514" ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 14:07

## EAST Search History

S12 1	2	("6750119").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 14:07
S12 2	15	switchable adj volume adj hologram and (light adj emitting light-emitting laser) and integrated and hologram and electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 16:59
S12 3	50	(light adj emitting light-emitting laser) and integrated and hologram and electrode and (integrated monolithic) near20 (light-emitting light adj emitting laser electroluminescen\$2) near20 (holographic hologram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 17:00
S12 4	37	(light adj emitting light-emitting laser) and integrated and hologram and electrode and (integrated monolithic) near10 (light-emitting light adj emitting laser electroluminescen\$2) near10 (holographic hologram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 17:53
S12 5	0	holographic adj filter near10 (VCSEL laser) near10 (integrated monolithic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 17:54
S12 6	54	holographic adj filter near10 (VCSEL laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 18:12
S12 7	9	holographic adj filter near10 (VCSEL laser) and (monolithic integrated)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 18:00
S12 8	180	lauchman.xp.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 18:12
S12 9	180	lauchman.xp.	USPAT	OR	ON	2006/07/05 18:13
S13 0	7	lauchman.xp. and hologram	USPAT	OR	ON	2006/07/05 18:14

## EAST Search History

S13 1	2457	(holographic hologram) and (((light-emitting light adj emitting) adj (device element diode)) vcsel)	USPAT	OR	ON	2006/07/05 18:16
S13 2	2	(holographic hologram) near10 (((light-emitting light adj emitting) adj (device element diode)) vcsel) near10 (integrated monolithic)	USPAT	OR	ON	2006/07/05 18:18
S13 3	40	(holographic hologram) near10 (((light-emitting light adj emitting) adj (device element diode)) (semiconductor adj laser vcsel)) near10 (integrated monolithic)	USPAT	OR	ON	2006/07/05 18:18
S13 4	2	"6205092".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 10:05
S13 5	2	"6243334".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 10:06
S13 6	2	S135 and hologra\$4 and laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 11:37
S13 7	15181	((257/79) or (257/8\$1) or (257/9\$1) or (257/100) or (257/101) or (257/102) or (257/103) or (372/43.01) or (372/50.11) or (372/50.124) or (359/15)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/06 11:40
S13 8	409	S137 and (hologram holographic) and (light-emitting light adj emitting laser vcsel) and (IC integrated monolithic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 11:43
S13 9	193	S137 and (hologram holographic) and (light-emitting light adj emitting laser vcsel) and (IC integrated monolithic) and @ad<"19991020"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 11:43